

Algebra Practice:

1)

$$x: xy + bz = gf$$

$$xy = gf - bz$$

$$x = \left(\frac{1}{y}\right)(gf - bz)$$
$$= \frac{gf - bz}{y}$$

$$2) g: xy + bz = gf$$

$$g = \left(\frac{1}{f}\right)(xy + bz)$$

$$= \frac{xy + bz}{f}$$

$$= \frac{xy}{f} + \frac{bz}{f}$$

$$3) \quad x: \quad \frac{x}{a+b} \xrightarrow{\text{green arrow}} \frac{c}{y}$$

$$x = \frac{c(a+b)}{y}$$

$$= \frac{ca + cb}{y}$$

$$4) \quad a: \quad \frac{x}{a+b} = \frac{c}{y}$$

$$\frac{xy}{c} = a+b$$

$$a = \left(\frac{xy}{c} \right) - b$$

Lab Safety:

- Wear goggles correctly
- Tie up long hair
- No food/drink
- Wear lab coat
- Have notes out
- Don't touch face/eyes
- Have stuff organized
- Don't goof around
- Follow instructions
- Know where safety equipment is
- Close-toed shoes
- Pay attention
- Don't reach over fire
- Use common sense and
pay attention